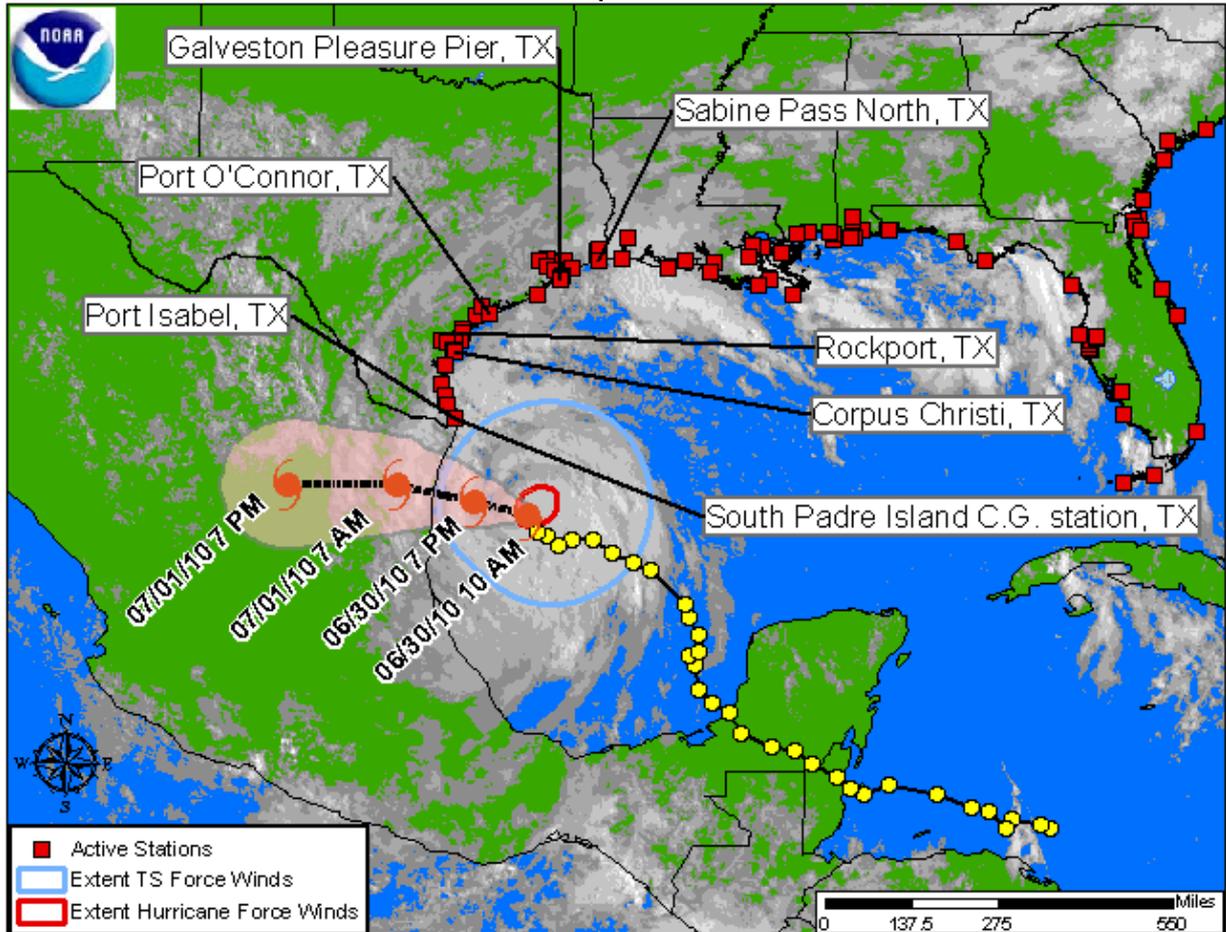




Hurricane ALEX QuickLook
Posted: 11:00 CDT 06/30/2010

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 06/30/2010 1100 CDT, water levels along the Texas coast are increasing and range between 1.0 and 2.6 feet above predicted. Winds are also increasing, with gusts between 11-38 kts being recorded. Barometric pressure continued to steadily drop till ~0900 CDT and is currently rising. Both air and water temperature are dropping steadily.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Port Isabel, TX: Next predicted high tides are 1.00 ft (0.31 m) at 07/01/2010 09:09 CDT and 0.94 ft (0.29 m) at 07/02/2010 09:03 CDT.

South Padre Island C.G. Station, TX: Next predicted high tides are 0.84 ft (0.26 m) at 07/01/2010 08:58 CDT and 0.78 ft (0.24 m) at 07/02/2010 08:56 CDT.

Corpus Christi, TX: Next predicted high tides are 1.23 ft (0.37 m) at 07/01/2010 07:57 CDT and 0.79 ft (0.24 m) at 07/01/2010 17:45 CDT.

Rockport, TX: Next predicted high tides are 0.19 ft (0.06 m) at 06/30/2010 18:31 CDT and 0.14 ft (0.04 m) at 07/01/2010 12:41 CDT.

Port O'Connor, TX: Next predicted high tides are 0.48 ft (0.15 m) at 06/30/2010 12:33 CDT and 0.41 ft (0.12 m) at 07/01/2010 12:29 CDT.

Freeport, TX: Next predicted high tides are 1.41 ft (0.43 m) at 07/01/2010 08:10 CDT and 0.83 ft (0.25 m) at 07/01/2010 17:49 CDT.

Galveston Pleasure Pier, TX: Next predicted high tides are 1.13 ft (0.34 m) at 06/30/2010 17:41 CDT and 1.74 ft (0.53) at 07/01/2010 08:13 CDT.

Sabine Pass North, TX: Next predicted high tides are 1.12 ft (0.34 m) at 06/30/2010 16:57 CDT and 1.41 ft (0.43) at 07/01/2010 08:27 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:MPM

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE ALEX ADVISORY NUMBER 20

1000 AM CDT WED JUN 30 2010

...ALEX HAS NOT STRENGTHENED YET...BUT FORECAST TO DO SO TODAY...

WATCHES AND WARNINGS

A HURRICANE WARNING IS IN EFFECT FOR...

*** THE COAST OF TEXAS SOUTH OF BAFFIN BAY TO THE MOUTH OF THE RIO GRANDE**

A TROPICAL STORM WARNING IS IN EFFECT FOR...

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1000 AM CDT THE CENTER OF HURRICANE ALEX WAS LOCATED ABOUT 190 MI SE OF BROWNSVILLE TEXAS BY A RECONNAISSANCE AIRCRAFT NEAR LATITUDE 23.8 NORTH...LONGITUDE 95.5 WEST. ALEX IS MOVING TOWARD THE NORTHWEST NEAR 7 MPH BUT A TURN MORE TO THE WEST SHOULD BEGIN LATER TODAY. ON THE FORECAST TRACK...THE CENTER OF ALEX WILL MAKE LANDFALL IN THE HURRICANE WARNING AREA LATE TONIGHT OR EARLY THURSDAY MORNING.

MAXIMUM SUSTAINED WINDS REMAIN NEAR 80 MPH WITH HIGHER GUSTS. ALEX IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON HURRICANE WIND SCALE BUT HAS THE POTENTIAL TO BECOME A CATEGORY TWO HURRICANE PRIOR TO LANDFALL. A GRADUAL WEAKENING SHOULD BEGIN AFTER THE CENTER CROSSES THE COASTLINE.

ALEX IS A LARGE CYCLONE AND THE HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 60 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 200 MILES PRIMARILY TO THE NORTHEAST OF THE CENTER.

LATEST MINIMUM CENTRAL PRESSURE REPORTED BY A RECONNAISSANCE PLANE WAS 961 MB...28.38 INCHES.

HAZARDS AFFECTING LAND

WIND...HURRICANE CONDITIONS ARE EXPECTED TO REACH THE COAST WITHIN THE HURRICANE WARNING AREA TONIGHT. HOWEVER...TROPICAL STORM WINDS SHOULD BEGIN SOON...MAKING OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

STORM SURGE...A DANGEROUS STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 3 TO 5 FEET ABOVE GROUND LEVEL ALONG THE IMMEDIATE COAST TO THE NORTH OF WHERE THE CENTER MAKES LANDFALL. THE SURGE COULD PENETRATE INLAND AS FAR AS SEVERAL MILES FROM THE SHORE WITH DEPTH GENERALLY DECREASING AS THE WATER MOVES INLAND. NEAR THE COAST... THE SURGE WILL BE ACCOMPANIED BY LARGE AND DESTRUCTIVE WAVES.

TORNADOES...ISOLATED TORNADOES ARE POSSIBLE OVER PORTIONS OF EXTREME SOUTHERN TEXAS TODAY AND TONIGHT.

FORECASTER AVILA

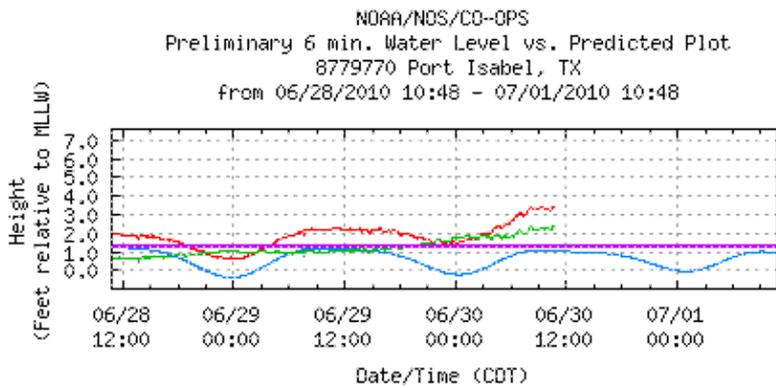
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Port Isabel - Water Level](#), [Port Isabel - Winds](#), [Port Isabel - Barometric](#), [Port Isabel - Air/Water Temp](#), [South Padre Island C.G Station - Water Level](#), [Corpus Christi - Water Level](#), [Corpus Christi - Winds](#), [Corpus Christi - Barometric](#), [Corpus Christi - Air/Water Temp](#), [Rockport - Water Level](#), [Rockport - Winds](#), [Rockport - Barometric](#),

Hurricane ALEX QuickLook, POSTED 11:00 CDT 06/30/2010

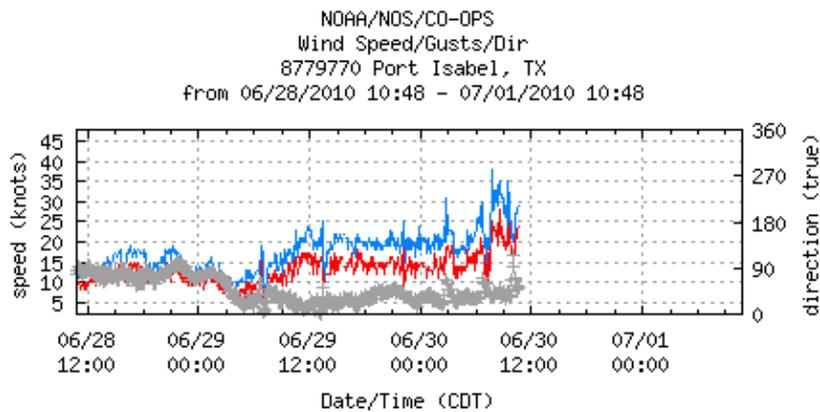
Rockport - Air/Water Temp, Port O'Connor - Water Level, Galveston Pleasure Pier - Water Level, Galveston Pleasure Pier - Winds, Galveston Pleasure Pier - Barometric, Galveston Pleasure Pier - Air/Water Temp, Sabine Pass North - Water Level, Sabine Pass North - Winds, Sabine Pass North - Barometric, Sabine Pass North - Air/Water Temp,

Port Isabel, TX - [Return to List](#)



Last Observed Sample: 06/30/2010 10:36 (CDT)
Relative to **MLLW**: **Observed: 3.45 ft. Predicted: 1.07 ft. Residual: 2.38 ft.**
Historical Maximum Water Level: Aug 9 1980, 5.67 ft. above **MHHW**

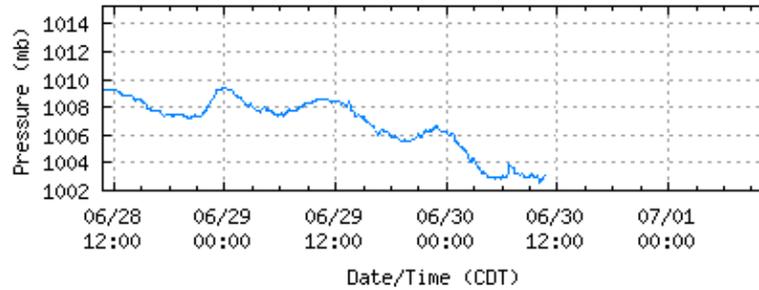
Port Isabel, TX - [Return to List](#)



Last Observed Sample: 06/30/2010 10:36 (CDT)
Wind Speed: 24 knots Gusts: 29 knots Direction: 053° T

Port Isabel, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Barometric Pressure Plot
8779770 Port Isabel, TX
from 06/28/2010 10:48 - 07/01/2010 10:48



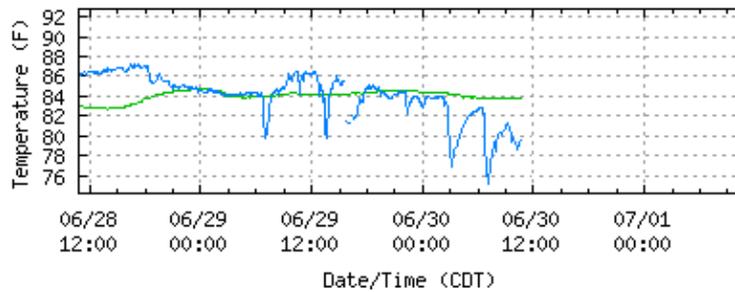
barometric pressure —

Last Observed Sample: 06/30/2010 10:36 (CDT)

Barometric Pressure: 1003.1 mb

Port Isabel, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Air/Water Temperature Plot
8779770 Port Isabel, TX
from 06/28/2010 10:48 - 07/01/2010 10:48

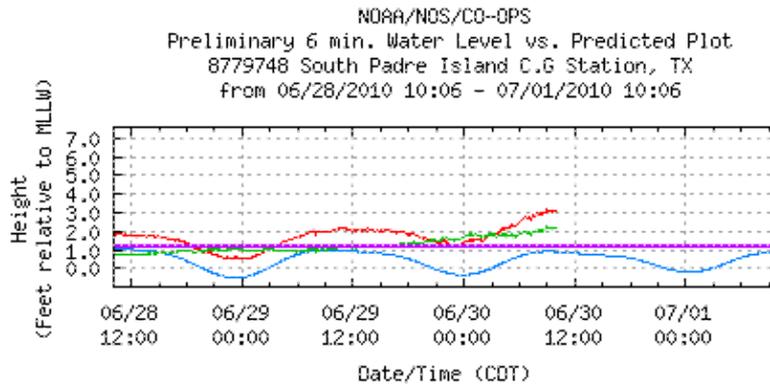


water temp. — air temp —

Last Observed Sample: 06/30/2010 10:36 (CDT)

Water Temperature: 83.7° F Air Temperature: 79.5° F

South Padre Island C.G Station, TX - [Return to List](#)



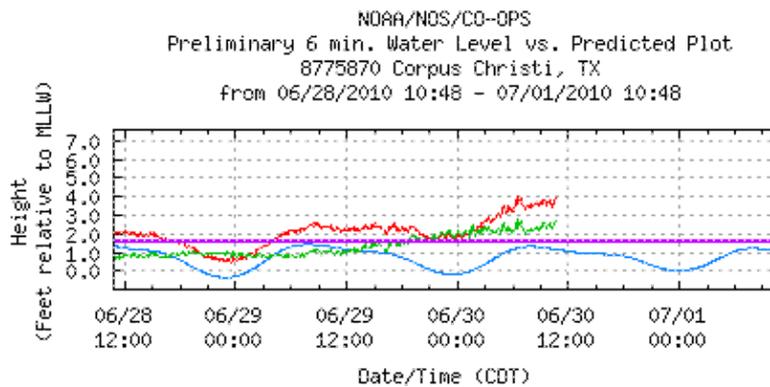
Predicted WL ——— (Obs-Pred) ———
Observed WL ——— MHHW ———

Last Observed Sample: 06/30/2010 09:54 (CDT)

Relative to **MLLW**: **Observed: 3.06 ft. Predicted: 0.90 ft. Residual: 2.16 ft.**

Historical Maximum Water Level: , 0 ft. above **MHHW**

Corpus Christi, TX - [Return to List](#)



Predicted WL ——— (Obs-Pred) ———
Observed WL ——— MHHW ———

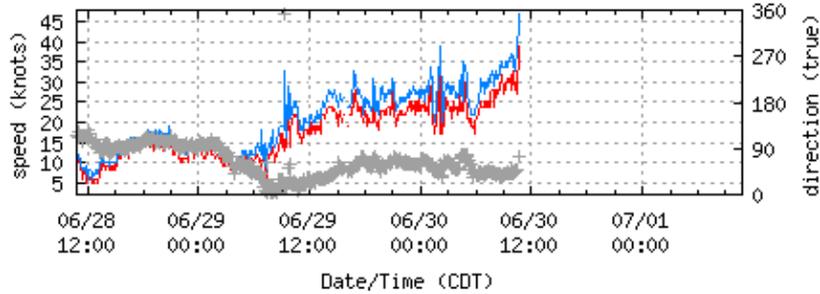
Last Observed Sample: 06/30/2010 10:36 (CDT)

Relative to **MLLW**: **Observed: 3.88 ft. Predicted: 1.17 ft. Residual: 2.71 ft.**

Historical Maximum Water Level: Sep 10 1998, 3.33 ft. above **MHHW**

Corpus Christi, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Wind Speed/Gusts/Dir
8775870 Corpus Christi, TX
from 06/28/2010 10:48 - 07/01/2010 10:48



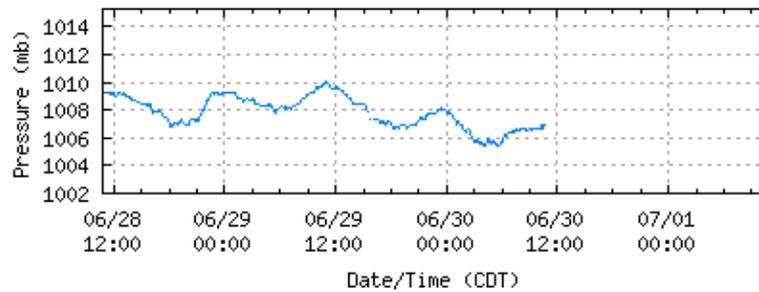
speed — gusts — direction +

Last Observed Sample: 06/30/2010 10:36 (CDT)

Wind Speed: 39 knots Gusts: 47 knots Direction: 076° T

Corpus Christi, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Barometric Pressure Plot
8775870 Corpus Christi, TX
from 06/28/2010 10:48 - 07/01/2010 10:48



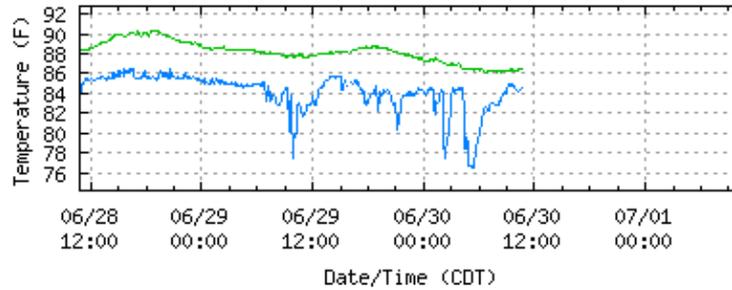
barometric pressure —

Last Observed Sample: 06/30/2010 10:36 (CDT)

Barometric Pressure: 1006.9 mb

Corpus Christi, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8775870 Corpus Christi, TX
from 06/28/2010 10:48 - 07/01/2010 10:48



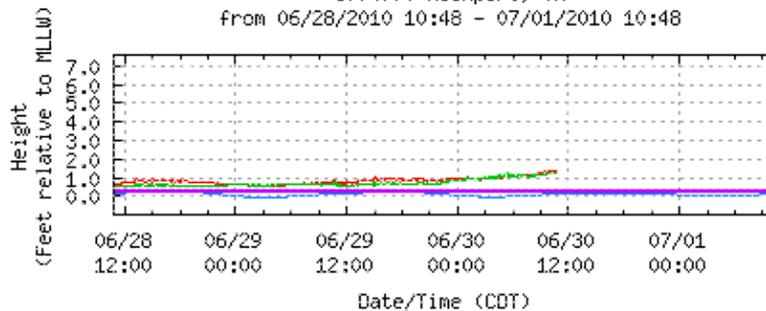
water temp. — air temp —

Last Observed Sample: 06/30/2010 10:36 (CDT)

Water Temperature: 86.4° F Air Temperature: 84.6° F

Rockport, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
8774770 Rockport, TX
from 06/28/2010 10:48 - 07/01/2010 10:48



Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

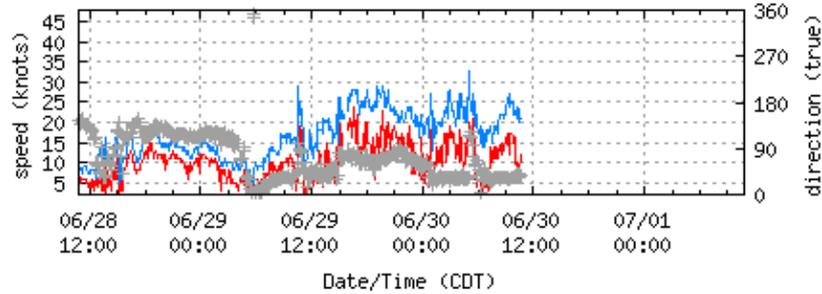
Last Observed Sample: 06/30/2010 10:36 (CDT)

Relative to **MLLW**: Observed: 1.36 ft. Predicted: 0.12 ft. Residual: 1.24 ft.

Historical Maximum Water Level: Aug 10 1980, 3.74 ft. above **MHHW**

Rockport, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Wind Speed/Gusts/Dir
8774770 Rockport, TX
from 06/28/2010 10:48 - 07/01/2010 10:48



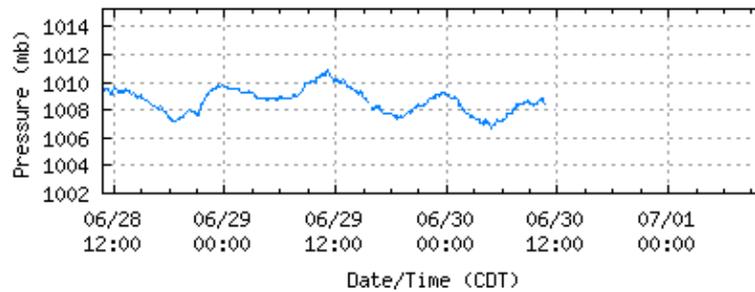
speed — gusts — direction +

Last Observed Sample: 06/30/2010 10:36 (CDT)

Wind Speed: 12 knots Gusts: 21 knots Direction: 036° T

Rockport, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Barometric Pressure Plot
8774770 Rockport, TX
from 06/28/2010 10:48 - 07/01/2010 10:48



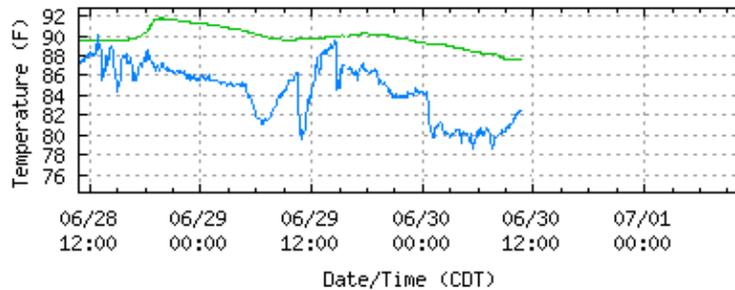
barometric pressure —

Last Observed Sample: 06/30/2010 10:36 (CDT)

Barometric Pressure: 1008.5 mb

Rockport, TX - [Return to List](#)

NOAA/NOS/CO-OPS
 Air/Water Temperature Plot
 8774770 Rockport, TX
 from 06/28/2010 10:48 - 07/01/2010 10:48



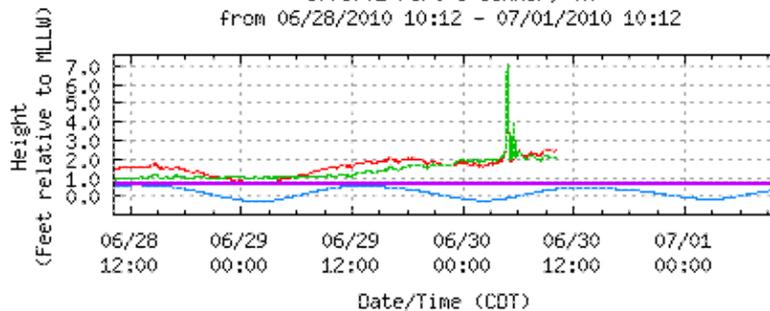
water temp. — air temp —

Last Observed Sample: 06/30/2010 10:36 (CDT)

Water Temperature: 87.6° F Air Temperature: 82.4° F

Port O'Connor, TX - [Return to List](#)

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8773701 Port O'Connor, TX
 from 06/28/2010 10:12 - 07/01/2010 10:12



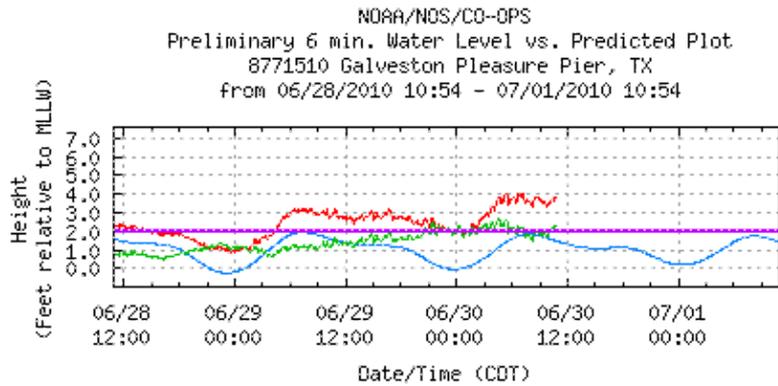
Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 06/30/2010 10:00 (CDT)

Relative to **MLLW**: Observed: 2.44 ft. Predicted: 0.39 ft. Residual: 2.05 ft.

Historical Maximum Water Level: , 0 ft. above **MHHW**

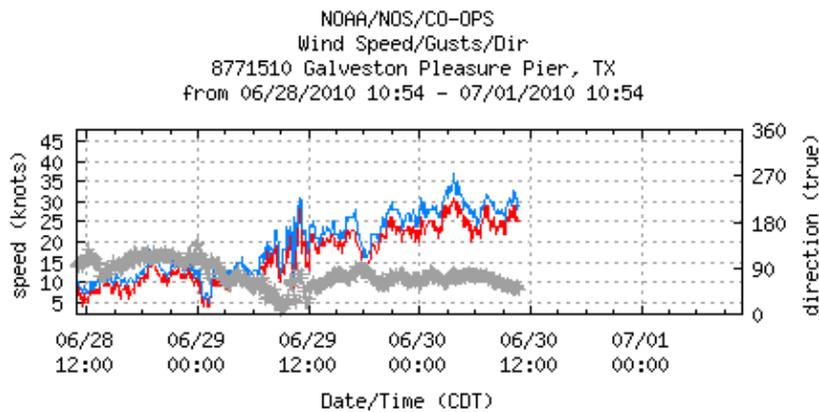
Galveston Pleasure Pier, TX - [Return to List](#)



Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 06/30/2010 10:42 (CDT)
 Relative to **MLLW**: **Observed: 3.79 ft. Predicted: 1.50 ft. Residual: 2.29 ft.**
 Historical Maximum Water Level: Sep 11 1961, 7.16 ft. above **MHHW**

Galveston Pleasure Pier, TX - [Return to List](#)

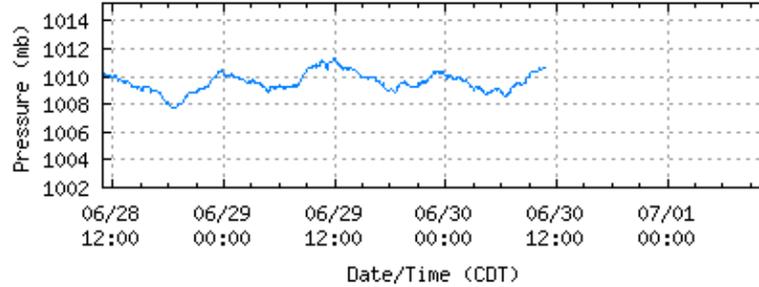


speed ——— gusts ——— direction +

Last Observed Sample: 06/30/2010 10:42 (CDT)
Wind Speed: 25 knots Gusts: 29 knots Direction: 049° T

Galveston Pleasure Pier, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8771510 Galveston Pleasure Pier, TX
from 06/28/2010 10:54 - 07/01/2010 10:54



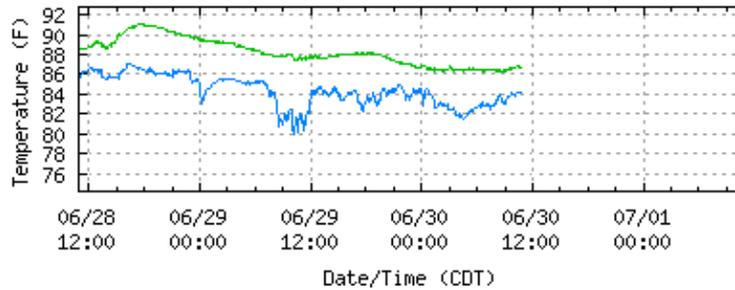
barometric pressure —

Last Observed Sample: 06/30/2010 10:42 (CDT)

Barometric Pressure: 1010.7 mb

Galveston Pleasure Pier, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8771510 Galveston Pleasure Pier, TX
from 06/28/2010 10:54 - 07/01/2010 10:54

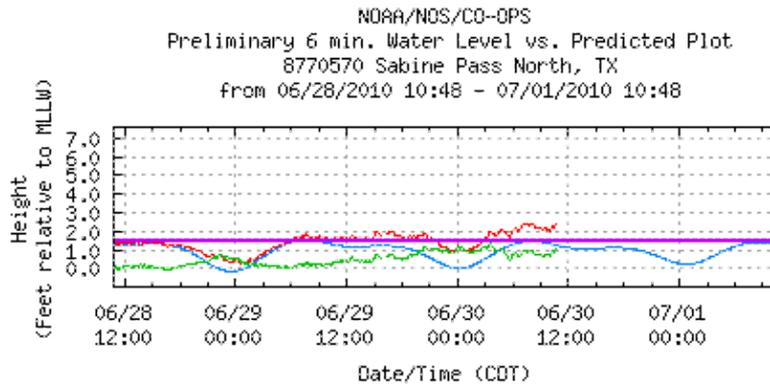


water temp. — air temp —

Last Observed Sample: 06/30/2010 10:42 (CDT)

Water Temperature: 86.7° F Air Temperature: 84.2° F

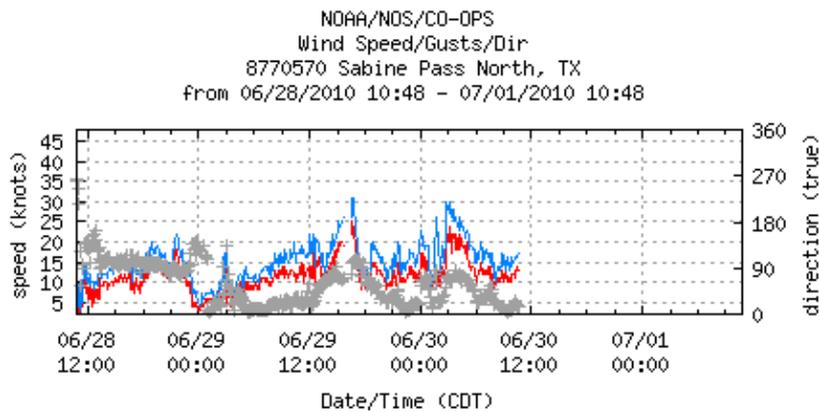
Sabine Pass North, TX - [Return to List](#)



Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 06/30/2010 10:36 (CDT)
 Relative to **MLLW**: **Observed: 2.34 ft. Predicted: 1.27 ft. Residual: 1.07 ft.**
 Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above **MHHW**

Sabine Pass North, TX - [Return to List](#)

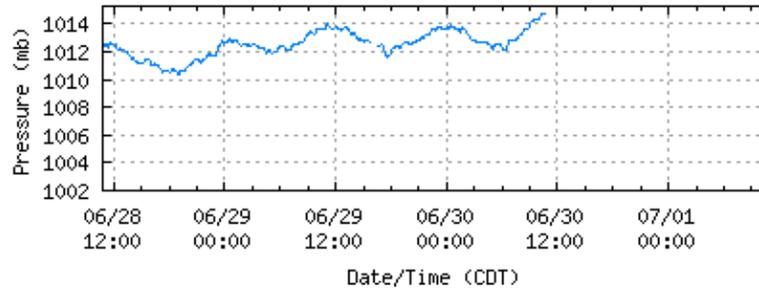


speed — gusts — direction +

Last Observed Sample: 06/30/2010 10:36 (CDT)
Wind Speed: 13 knots Gusts: 17 knots Direction: 014° T

Sabine Pass North, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Barometric Pressure Plot
8770570 Sabine Pass North, TX
from 06/28/2010 10:48 - 07/01/2010 10:48



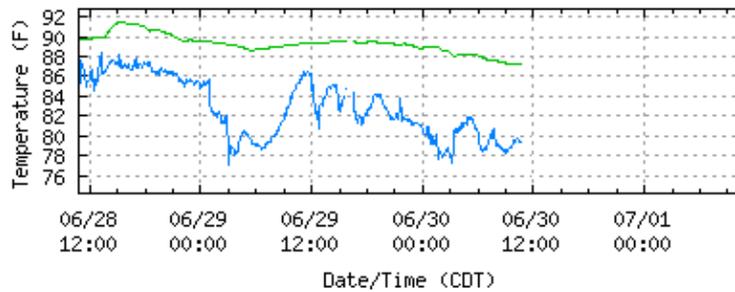
barometric pressure —

Last Observed Sample: 06/30/2010 10:36 (CDT)

Barometric Pressure: 1014.7 mb

Sabine Pass North, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Air/Water Temperature Plot
8770570 Sabine Pass North, TX
from 06/28/2010 10:48 - 07/01/2010 10:48



water temp. — air temp —

Last Observed Sample: 06/30/2010 10:36 (CDT)

Water Temperature: 87.3° F Air Temperature: 79.3° F

Hurricane ALEX QuickLook, POSTED 11:00 CDT 06/30/2010

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce